



Publication number: **0 414 629 A1**

EUROPEAN PATENT APPLICATION

Application number: 90630136.1

Int. Cl.⁵: D21F 3/02

Date of filing: 10.08.90

Priority: 11.08.89 US 392639

Beloit Wisconsin 53511(US)

Date of publication of application:
 27.02.91 Bulletin 91/09

Inventor: Filzen, Scott Ernest
 2223 Huebbe Pkwy.
 Beloit, Wisconsin(US)

Designated Contracting States:
 DE GB IT

Representative: Schmitz, Jean-Marie et al
 OFFICE DENNEMEYER S.à.r.l. P.O. Box 1502
 L-1015 Luxembourg(LU)

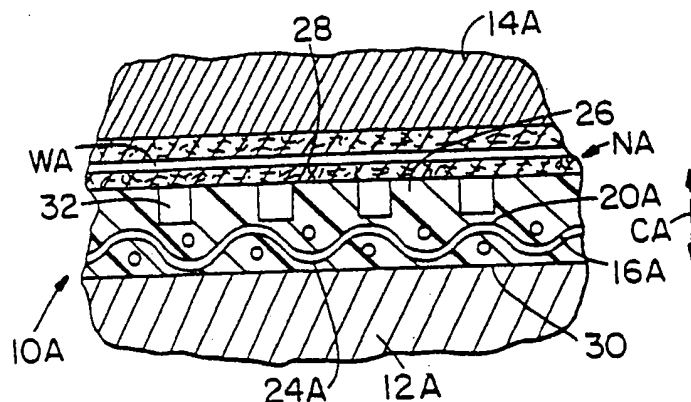
Applicant: BELOIT CORPORATION
 P.O. Box 350

A bearing blanket for an extended nip press.

A bearing blanket (10A) is disclosed which extends through an extended nip (NA) defined by a shoe (12A) and a cooperating backing roll (14A) for pressing water from a formed web (WA). The blanket (10A) includes a woven-base fabric (16A) which defines a web side (20A) and a shoe side (24A), and a single liquid impervious urethane layer (26) which is applied to the web side (20A) of the base fabric (16A) such that the urethane layer (26) thoroughly penetrates into and through the base fabric (16A). The arrangement is such that when the urethane

layer (26) is cured, the urethane layer (26) defines a web face (28) and a shoe face (30). The web face (28) is spaced relative to the web side (20A), with the web face, (28) defining a plurality of vents (32) for conveying water pressed from the web (WA) away from the extended nip (NA). The shoe face (30) is substantially co-planar with the shoe side (24A) of the base fabric (16A) such that the shoe face (30) is relatively smooth for cooperating with and moving relative to the shoe (12A).

FIG. 2



EP 0 414 629 A1